

Notice of Allowability

Application No.

10/067,283

Applicant(s)

JASPERS, CORNELIS ANTONIE
MARIA

Examiner

Ali Bayat

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/27/05.
2. ☒ The allowed claim(s) is/are 1-11 and 13 (renumbered as 1-12).
3. ☒ The drawings filed on 05 February 2002 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>2/5/02</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Waxler, Aaron on 1/27/05.

The application has been amended as follows: a) In claim 11, line 1 after program insert --embodied in a computer readable medium--. B) Cancel claim 12.

Allowable Subject Matter

2. Claims 1-11 and 13 are allowed.

The following is an examiner's statement of reasons for allowance: the closest prior art of Jaspers et al. (US 6,697,110) provides for a method of and a device for interpolating a color sample in a signal having alternate colored samples, and to a camera comprising such a device (see background of the invention), further teaches a method of interpolating a color sample in a signal (RGBin) having alternately colored samples, the missing color sample is interpolated in dependence upon neighboring color samples (G1, G2, G3, G4) of the same color (G) as the color sample to be interpolated, and differently colored sample (R/B) from the same location as the color sample to be interpolated (see abstract), furthermore provides for converting the R/B signals to zero switch box, note that such a zero switch box, for red and blue data only, is also used at the input of the R/B processor R/Bproc, resulting in the reconstructed Red and Blue

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output signals Ro, Bo (col.12 lines 44-55). The prior art of Jaspers et al. (US 6,697,110) failed to teach or suggest **“means for, for each pixel in the zero switched array, defining a sub array in the array of pixels where the pixel to be filtered is poisoned in a pre-determined position within the sub array; a first array of filter coefficients for use in the filtering means when the pixel to be filtered is a pixel from the first group of pixels, and a second array of filter coefficients for use in the filtering means when the pixel to be filtered is a pixel from the second group of pixels, the first and second arrays having the same dimensions as the sub array and fulfilling a set of rules comprising the filter coefficient being zero at the predetermined position, and when dividing the filter coefficients of the array into a number or disjoint groups of diagonal coefficients where said disjoint groups are symmetrical around a center coefficient of the array, a filter coefficient exists in each group which equals the sum of the remaining filter coefficients in said group; and means for calculating a filtered pixel value, said calculation being performed by multiplying each coefficient in said first or second array of filter coefficients with each correspondingly placed pixel in said sub array from either said first or second group of pixels and adding the result of each multiplication to obtain a filtered pixel value for each of said sub arrays of pixels.**

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

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Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ali Bayat whose telephone number is 703-306-5915.

The examiner can normally be reached on M-Thur 9:00-7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on 703-3085246. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ali Bayat *AB*
Patent Examiner
Group Art Unit 2625
2/2/05


KANUBHAI PATEL
PRIMARY EXAMINER